SEQUENCE LISTING

SEQ ID NO: 1
SEQUENCE TYPE: Amino acid
SEQUENCE LENGTH: 9
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE
Xxx Glu Thr Ile Asn Xxx His Phe Lys
1 5 9

SEQ ID NO: 2
SEQUENCE TYPE: Amino acid
SEQUENCE LENGTH: 7
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE
Xxx Gln Xxx Ala Phe Thr Lys
1 5 7

SEQ ID NO: 3
SEQUENCE TYPE: Amino acid
SEQUENCE LENGTH: 19
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE
Val Glu Xxx Val Asp Phe Thr Asn His Leu Glu Asp Thr Xxx Xxx Asn
1 5 10 15
Ile Asn Lys
19

SEQ ID NO: 4
SEQUENCE TYPE: Amino acid
SEQUENCE LENGTH: 17
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE

Xxx Tyr Ile Glu Val Thr Glu Glu Gly Thr Glu Ala Xxx Ala
1 5 10 15
Ala Xxx Gly
17

SEQ ID NO: 5
SEQUENCE TYPE: Amino acid
SEQUENCE LENGTH: 9
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE
Xxx Tyr Leu Arg Ala Leu Gly Leu Lys
1 5 9

SEQ ID NO: 6
SEQUENCE TYPE: Amino acid
SEQUENCE LENGTH: 20
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE
Ala Asp Leu Ser Gly Ile Ala Ser Gly Gly Arg Leu Tyr Ile Ser Arg
1 5 10 15
Met Xxx Gly Lys
20

SEQ ID NO: 7
SEQUENCE TYPE: Amino acid
SEQUENCE LENGTH: 5
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE
Leu Tyr Asp Ala Lys
1 5

SEQ ID NO: 8
SEQUENCE TYPE: Amino acid
SEQUENCE LENGTH: 5

TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE
Asn Tyr Glu Met Lys
1 5

SEQ ID NO: 9
SEQUENCE TYPE: Amino acid
SEQUENCE LENGTH: 10
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE
Ala Val Ala Met Met His Gln Xxx Arg Lys
1 5 10

SEQ ID NO: 10
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 38
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
FEATURES: corresponding to amino acid sequence of SEQ ID NO: 3; I is inosine.
SEQUENCE
GTIGARIIIG TIGAYTTYAC IAAYCAYYTI GARGAYAC 38

SEQ ID NO: 11
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 32
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
FEATURES: corresponding to amino acid sequence of SEQ ID NO: 4; I is inosine.
SEQUENCE
TACATCGAIG TIACIGARGA RGGIACNGAR GC 32

SEQ ID NO: 12
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 37
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
FEATURES: Oligomer attached to 3'-RACE kit (Gibco BRL).
SEQUENCE
GGCCACGCGT CGACTAGTAC TTTTTTTTTT TTTTTTT 34

SEQ ID NO: 13
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 20
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
ATGTTGTGGG GACTGCTATA 20

SEQ ID NO: 14
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 23
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
CAAGGCGAAT GACCTCTAAG TAT 23

SEQ ID NO: 15
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 21
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
CCCCGAAGCA ATCCCAGAGA G 21

SEQ ID NO: 16
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 21
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
CTCAGGCAGC AGAACGTACA T 21

SEQ ID NO: 17
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 21
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
GGCGACGACT CCTGGAGCCC G 21

SEQ ID NO: 18
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 22
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
GACACCAGAC CAACTGGTAA TG 22

SEQ ID NO: 19
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 36
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
CATCCGGGAG ATGTACAGCC GGCCGCCAGA GGCAAT 36

SEQ ID NO: 20

SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 21
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
GCTGTGGCCA TGATGCACCA G 21

SEQ ID NO: 21
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 24
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
TACCTGCGGG CCCTGGGCCT GAAG 24

SEQ ID NO: 22
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 51
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
CATCCGGGAG ATGTACAGCC GGCCGCCAGA GGCAATGCCA GACAGGTCAG C 51

SEQ ID NO: 23
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 17
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
GTTTTCCCAG TCACGAC 17

SEQ ID NO: 24
SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 17
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
CAGGAAACAG CTATGAC 17

SEQ ID NO: 25
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 20
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
AATTATGGCC CACACCAGTG 20

SEQ ID NO: 26
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 20
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
ACTAGCCGCT ACAGTCAACA 20

SEQ ID NO: 27
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 21
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
TTGCCACTTG CCTTTGAAGT A 21

SEQ ID NO: 28
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 21

STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
CTGATGCATC ATGGCGACTG C 21

SEQ ID NO: 29
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 21
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
AGCATTCACC AGCACCATTA C 21

SEQUENCE ID NO: 30
SEQUCNE TYPE: Nucleic acid
SEQUENCE LENGTH: 1950
STRANDNESS: Double
TOPOLOGY: Linear
MOLECULE TYPE: complimentary DNA (cDNA)
ORIGINAL SOURCE: Human
IMMEDIATE SOURCE: A431
FEATURE: DNA coding for human megakaryocyte differentiation factor
SEQUENCE

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GGCACGAGAG GAACTGAAGC CCAGCTGTGA AGGCCGCAGA CTGCAGTGAG          50
AGGAGGCTGC ACTCCATTTT GCA ATG GCC TCC CTT GCT GCA GCA AAT        97
                          Met Ala Ser Leu Ala Ala Ala Asn
                            1               5
GCA GAG TTT TGC TTC AAC CTG TTC AGA GAG ATG GAT GAC AAT CAA     142
Ala Glu Phe Cys Phe Asn Leu Phe Arg Glu Met Asp Asp Asn Gln
     10                  15                  20
GGA AAT GGA AAT GTG TTC TTT TCC TCT CTG AGC CTC TTC GCT GCC     187
Gly Asn Gly Asn Val Phe Phe Ser Ser Leu Ser Leu Phe Ala Ala
     25                  30                  35
CTG GCC CTG GTC CGC TTG GGC GCT CAA GAT GAC TCC CTC TCT CAG     232
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Leu Ala Leu Val Arg Leu Gly Ala Gln Asp Asp Ser Leu Ser Gln
40 45 50

ATT GAT AAG TTG CTT CAT GTT AAC ACT GCC TCA GGA TAT GGA AAC 277
Ile Asp Lys Leu Leu His Val Asn Thr Ala Ser Gly Tyr Gly Asn
55 60 65

TCT TCT AAT AGT CAG TCA GGG CTC CAG TCT CAA CTG AAA AGA GTT 322
Ser Ser Asn Ser Gln Ser Gly Leu Gln Ser Gln Leu Lys Arg Val
70 75 80

TTT TCT GAT ATA AAT GCA TCC CAC AAG GAT TAT GAT CTC AGC ATT 367
Phe Ser Asp Ile Asn Ala Ser His Lys Asp Tyr Asp Leu Ser Ile
85 90 95

GTG AAT GGG CTT TTT GCT GAA AAA GTG TAT GGC TTT CAT AAG GAC 412
Val Asn Gly Leu Phe Ala Glu Lys Val Tyr Gly Phe His Lys Asp
100 105 110

TAC ATT GAG TGT GCC GAA AAA TTA TAC GAT GCC AAA GTG GAG CGA 457
Tyr Ile Glu Cys Ala Glu Lys Leu Tyr Asp Ala Lys Val Glu Arg
115 120 125

GTT GAC TTT ACG AAT CAT TTA GAA GAC ACT AGA CGT AAT ATT AAT 502
Val Asp Phe Thr Asn His Leu Glu Asp Thr Arg Arg Asn Ile Asn
130 135 140

AAG TGG GTT GAA AAT GAA ACA CAT GGC AAA ATC AAG AAC GTG ATT 547
Lys Trp Val Glu Asn Glu Thr His Gly Lys Ile Lys Asn Val Ile
145 150 155

GGT GAA GGT GGC ATA AGC TCA TCT GCT GTA ATG GTG CTG GTG AAT 592
Gly Glu Gly Gly Ile Ser Ser Ser Ala Val Met Val Leu Val Asn
160 165 170

GCT GTG TAC TTC AAA GGC AAG TGG CAA TCA GCC TTC ACC AAG AGC 637
Ala Val Tyr Phe Lys Gly Lys Trp Gln Ser Ala Phe Thr Lys Ser
175 180 185

GAA ACC ATA AAT TGC CAT TTC AAA TCT CCC AAG TGC TCT GGG AAG 682
Glu Thr Ile Asn Cys His Phe Lys Ser Pro Lys Cys Ser Gly Lys
190 195 200

GCA GTC GCC ATG ATG CAT CAG GAA CGG AAG TTC AAT TTG TCT GTT 727
Ala Val Ala Met Met His Gln Glu Arg Lys Phe Asn Leu Ser Val
205 210 215

ATT GAG GAC CCA TCA ATG AAG ATT CTT GAG CTC AGA TAC AAT GGT 772

Ile Glu Asp Pro Ser Met Lys Ile Leu Glu Leu Arg Tyr Asn Gly
220 225 230

GGC ATA AAC ATG TAC GTT CTG CTG CCT GAG AAT GAC CTC TCT GAA 817
Gly Ile Asn Met Tyr Val Leu Leu Pro Glu Asn Asp Leu Ser Glu
235 240 245

ATT GAA AAC AAA CTG ACC TTT CAG AAT CTA ATG GAA TGG ACC AAT 862
Ile Glu Asn Lys Leu Thr Phe Gln Asn Leu Met Glu Trp Thr Asn
250 255 260

CCA AGG CGA ATG ACC TCT AAG TAT GTT GAG GTA TTT TTT CCT CAG 907
Pro Arg Arg Met Thr Ser Lys Tyr Val Glu Val Phe Phe Pro Gln
265 270 275

TTC AAG ATA GAG AAG AAT TAT GAA ATG AAA CAA TAT TTG AGA GCC 952
Phe Lys Ile Glu Lys Asn Tyr Glu Met Lys Gln Tyr Leu Arg Ala
280 285 290

CTA GGG CTG AAA GAT ATC TTT GAT GAA TCC AAA GCA GAT CTC TCT 997
Leu Gly Leu Lys Asp Ile Phe Asp Glu Ser Lys Ala Asp Leu Ser
295 300 305

GGG ATT GCT TCG GGG GGT CGT CTG TAT ATA TCA AGG ATG ATG CAC 1042
Gly Ile Ala Ser Gly Gly Arg Leu Tyr Ile Ser Arg Met Met His
310 315 320

AAA TCT TAC ATA GAG GTC ACT GAG GAG GGC ACC GAG GCT ACT GCT 1087
Lys Ser Tyr Ile Glu Val Thr Glu Glu Gly Thr Glu Ala Thr Ala
325 330 335

GCC ACA GGA AGT AAT ATT GTA GAA AAG CAA CTC CCT CAG TCC ACG 1132
Ala Thr Gly Ser Asn Ile Val Glu Lys Gln Leu Pro Gln Ser Thr
340 345 350

CTG TTT AGA GCT GAC CAC CCA TTC CTA TTT GTT ATC AGG AAG GAT 1177
Leu Phe Arg Ala Asp His Pro Phe Leu Phe Val Ile Arg Lys Asp
355 360 365

GAC ATC ATC TTA TTC AGT GGC AAA GTT TCT TGC CCT TGA 1216
Asp Ile Ile Leu Phe Ser Gly Lys Val Ser Cys Pro ...
370 375 380

AAATCCAATT GGTTTCTGTT ATAGCAGTCC CCACAACATC AAAGAACCAC 1266
CACAAGTCAA TAGATTTGAG TTTAATTGGA AAAATGTGGT GTTTCCTTTG 1316
AGTTTATTTC TTCCTAACAT TGGTCAGCAG ATGACACTGG TGACTTGACC 1366
CTTCCTAGAC ACCTGGTTGA TTGTCCTGAT CCCTGCTCTT AGCATTCTAC 1416
CACCATGTGT CTCACCCATT TCTAATTTCA TTGTCTTTCT TCCCACGCTC 1466

ATTTCTATCA TTCTCCCCCA TGACCCGTCT GGAAATTATG GAGAGTGCTC 1516
AACTGGTAAG GAGAACGTAG AAGTAGCCCT AGGGATCCTT TTTGAAACTC 1566
TACAGTTATC GCAGATATTC TAGCTTCATT GTAAGCAATC TAGGAAATAA 1616
GCCCTGCTGC TTTCTAGAAA TAAGTGTGAA GGATAAATTT TCTTTGTTGA 1666
CCTATGAAGA TTTTAGAGTT TACCTTCATA TGTTTGATTT TAAATCAGTG 1716
TATAATCTAG ATGGTAAAAA ATGTGAAATT GGGATTAGGG ACCAACCAAA 1766
ATATTTCATT AATGCTTTCA ATTGACAAAT TTTGGTCTTT CTTTGATAAG 1816
ACAATATGTA CATAGTTTTT TCAAATATTA AAGATCTTTT AACTGTTGGC 1866
AGTTGTTATC TACAGAATCA TATCTCATAT GCTGTGTAGT TTATAAGTTT 1916
TTTCTCTATT TATCAGAATA AAGAAATACA ACAT 1950

SEQ ID NO: 31
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 20
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
ORIGINAL SOURCE: Human
FEATURES: 5'-non-translation region
SEQUENCE
AACTGAAGCC CAGCTGTGAA 20

SEQ ID NO: 32
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 37
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
CTCGAATTCG CGATGGCCTC CCTTGCTGCA GCAAATG 37

SEQ ID NO: 33
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 49
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA

SEQUENCE

GGGAATTCGC GGCCGCGTGG TGGTTCTTTG ATGTTGTGGG GACTGCTAT 49